| Index of Claims |  |
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|                 |  |

| Application No. | Applicant(s)    |
|-----------------|-----------------|
| 10/601,583      | NAGASAKA ET AL. |
| Examiner        | Art Unit        |
| Jennifer Doan   | 2874            |

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|              | <u>a</u>  | 4  |          |                 |          |          |          |          |          |           |      |  | a        |                  |              |  |   |                         |   |          |                 |       | <u> </u>   |          |                 |             |          |          |          |                   |          |          |
| Final        | Original  | 10/21/04   | 3/3/05   |                 |          |          |          |          |          |           |      | Final  | Original |                  |              |  | l   |                         |   | 1 1      |                 | Final | Original   |          | İ               | - 1         |          |          |          |                   |          |          |
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|              | 1 _ 1     |  |          | _               | _        | 4        | _        | _        | _        | 4         |      |  |          |                  | _            | 4  | _   | 4                       | 4_  | 1-1      |                 |       |            |          |                 | _           | _        | _        |          | _                 | _        | _        |
|              | 0         | +  | <b>√</b> | _               | _        | 4        | 4        | _        | $\dashv$ | _         |      |  | 51       | Ш                |              | _  | 4   | 4-                      | _   | $\perp$  | _               |       | 101        |          | $\perp$         | 4           | -        | -        | _        | $\dashv$          | _        | 4        |
|              | 2         | +  | 1        | -               | _        | 4        | -        |          | -        | 4         |      |  | 52       |                  | _            | 4  | _   | _                       | $\bot$  | $\sqcup$ |                 |       | 102        |          | 4               | _           | _        | 4        | -        | $\dashv$          | $\dashv$ |          |
|              | 3         | +  | <b>√</b> |                 | $\dashv$ | $\dashv$ | 4        | $\dashv$ | +        | 4         |      |  | 53       | Н                |              | -  | +   | +                       | +   | +        | -               |       | 103        |          | $\vdash$        | -           | -        |          | $\dashv$ | $\dashv$          |          | $\dashv$ |
|              | 4         | +  | 0        | $\dashv$        | $\dashv$ | _        | -        | -        | +        | -         |      |  | 54       | Н                | $\dashv$     | $\dashv$   | +   | +                       | -   | $\vdash$ | $\dashv$        |       | 104        |          | -               | -+          | $\dashv$ | $\dashv$ | -        | -+                | -        | $\dashv$ |
|              | 5         | +  | : 0      | $\dashv$        |          | _        | +        | $\dashv$ | +        | -         |      |  | 55       | -                |              | +  | +   | - -                     | +-  | ╁        | $\dashv$        |       | 105        | $\vdash$ |                 | $\dashv$    | $\dashv$ |          |          | $\dashv$          | $\dashv$ | $\dashv$ |
|              | <u>نې</u> | +  | ZZ       | $\dashv$        | $\dashv$ | +        | -        | -        | -+       | $\dashv$  |      |  | 56<br>57 | Н                |              | +  | -   | +                       | +   | $\vdash$ | $\dashv$        |       | 106<br>107 | -        | $\vdash$        | $\dashv$    | -        |          | -        | $\dashv$          | $\dashv$ | $\dashv$ |
|              | 7<br>8    | +  | N        | $\dashv$        | $\dashv$ | $\dashv$ | -+       | -        | -+       | $\dashv$  |      |  | 58       | Н                | $\dashv$     | $\dashv$   | +   | +                       | +   | +        | $\dashv$        |       | 108        | $\vdash$ | $\vdash$        | $\dashv$    | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$          | $\dashv$ | $\dashv$ |
|              | 9         | +  | N        | $\dashv$        | -+       | +        | $\dashv$ | $\dashv$ | +        | $\dashv$  |      |  | 59       | Н                | $\dashv$     | +  | +   | ┿                       | +-  | +        | $\dashv$        |       | 109        | $\vdash$ | $\vdash$        |             | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$          | $\dashv$ | $\dashv$ |
| -            | 10        | +  | N        |                 | +        | +        | $\dashv$ | $\dashv$ | +        | -         |      |  | 60       | H                |              | +  | +   | +                       | +-  | ┼─┤      | $\dashv$        |       | 110        | Н        | $\vdash$        | $\dashv$    | -        | -        | $\dashv$ | $\dashv$          | $\dashv$ | $\dashv$ |
| -            | 11        | +  | N        |                 | +        | +        | $\dashv$ | $\dashv$ | +        | $\dashv$  |      |  | 61       | Н                | $\dashv$     | +  | +   | +                       | +   | ╁┤       | Н               |       | 111        | $\vdash$ | $\vdash \vdash$ | $\dashv$    | $\dashv$ | $\dashv$ | -        | $\dashv$          | $\dashv$ | $\dashv$ |
| $\vdash$     | 12        | +  | N        | $\vdash$        | $\dashv$ | +        | -+       | -+       | -        |           |      |  | 62       | $\vdash$         | $\dashv$     | $\dashv$   | +   | +                       | +   | ╁┼       | $\vdash$        |       | 112        | $\vdash$ | $\vdash \vdash$ | $\dashv$    | $\dashv$ | -        | -        | $\dashv$          | $\dashv$ | $\dashv$ |
|              | 13        | +  | N        | $\vdash$        | -+       | -        | $\dashv$ | $\dashv$ | +        |           |      |  | 63       | $\vdash$         | $\vdash$     | $\dashv$   | +   | +                       | +   | + +      | $\vdash$        |       | 113        | $\vdash$ | $\vdash \vdash$ | -           | $\dashv$ | $\dashv$ | ┪        | +                 | $\dashv$ | $\dashv$ |
| -            | (14)      | +  | 1        | $\dashv$        | $\dashv$ | +        | $\dashv$ | $\dashv$ | ┰        | $\dashv$  |      |  | 64       | $\vdash$         | $\vdash$     | $\dashv$   | +   | +                       | +   | +        | $\dashv$        |       | 114        | _        | $\vdash$        | $\dashv$    | $\dashv$ | $\dashv$ | $\dashv$ | +                 | $\dashv$ | $\dashv$ |
| -            | 15        | +  | o        | $\vdash$        | $\dashv$ | $\dashv$ | +        |          | $\dashv$ | $\dashv$  |      | $\vdash$   | 65       |                  |              | +  | +   | +                       | +   | +        | ${ m H}$        |       | 115        | -        | $\vdash$        | $\dashv$    | -        | $\dashv$ | $\dashv$ | +                 | $\dashv$ | 一        |
| $\vdash$     | 16        | +  | .0       | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  |      |  | 66       | Н                | -            | $\dashv$   | +   | +                       | +   | +        | ${\mathbb H}$   |       | 116        | $\vdash$ | H               | $\dashv$    | -        |          | $\dashv$ | $\dashv$          | $\dashv$ | $\dashv$ |
| <b>—</b>     | 17        | +  | 1        | $\vdash$        | -        | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$  |      | <u> </u>   | 67       | $\vdash$         |              | $\dashv$   | $\dashv$  | +                       | +   | ╁┼┤      | $\vdash \vdash$ |       | 117        | $\vdash$ | $\vdash$        | $\dashv$    | $\dashv$ | $\dashv$ |          | $\dashv$          | $\dashv$ | $\dashv$ |
|              | 18        | +  | 1        | $\vdash$        | -+       | $\dashv$ | $\dashv$ | 十        | -+       | $\dashv$  |      | <u> </u>   | 68       | $\vdash$         |              | $\dashv$   | $\dashv$  | +                       | +   | 1-1      | Н               |       | 118        | -        | $\vdash$        | -           | -        | $\dashv$ | $\dashv$ | $\dashv$          | $\dashv$ | ᅥ        |
|              | 19        | +  | 0        | Н               | $\dashv$ | 十        | $\dashv$ | $\dashv$ | ╅        | ᅥ         |      |  | 69       | H                | H            | <del>-</del>   | Ŧ   | ╅                       | +   | +        | H               |       | 119        |          |                 | -           | $\dashv$ | -        | $\dashv$ | +                 | $\dashv$ | ᅥ        |
|              | _20       | +  | 0        | H               | +        | $\dashv$ | -        |          | -+       | $\dashv$  |      | <u> </u>   | 70       | <del>  -  </del> | $\vdash$     | $\dashv$   | $\dashv$  | +                       | +   | +        | Н               |       | 120        | $\vdash$ | $\vdash$        | $\dashv$    | $\dashv$ | $\dashv$ | -        | 十                 | $\dashv$ | $\dashv$ |
|              | 21        | ÷  | ۳        | $\vdash$        | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  |      |  | 71       | ╁                | $\vdash$     | $\dashv$   | -   | +                       |   | +        | Н               |       | 121        |          | $\vdash$        |             | -        | $\dashv$ | $\neg$   | -+                | _        | ᅱ        |
|              | 22        | -  | -        | ├─┤             | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -         |      |  | 72       | $\vdash$         | -            | $\dashv$   | $\dashv$  | +                       | +-  | 1-1      | Н               | -     | 122        |          | ╁               | <del></del> | $\dashv$ | ╅        | -        | +                 | 一        | $\dashv$ |
| <del> </del> | 23        |  |          | $\vdash$        | +        | $\dashv$ | +        | $\dashv$ | +        | -         |      |  | 73       | -                |              | +  | $\dashv$  | +                       | +-  | ╁        | Н               |       | 123        |          |                 |             | $\dashv$ | $\dashv$ |          | $\dashv$          | ᅱ        | $\dashv$ |
| $\vdash$     | 24        |  | _        | $\vdash \vdash$ | $\dashv$ | _        | $\dashv$ | $\dashv$ |          | -         |      |  | 74       | -                | $\vdash$     | $\dashv$   | $\dashv$  | +                       | +   | ╁┈┤      | Н               |       | 124        |          | $\vdash$        | $\dashv$    | $\dashv$ |          |          | $\dashv$          | $\dashv$ | ⊣        |
|              | 25        |  |          | $\vdash$        | $\dashv$ | $\dashv$ | -        | $\dashv$ |          | -         |      |  | 75       | $\vdash$         | H            | $\dashv$   | ╅   | +                       | +-  | 11       | Н               |       | 125        |          | $\vdash$        | $\dashv$    | $\dashv$ | 一        | _        | $\dashv$          | $\dashv$ | ᅥ        |
| -            | 26        |  |          | H               | $\dashv$ | $\dashv$ | _        | -        | -+       | _         |      |  | 76       | $\vdash$         | $\Box$       | _  | _   | 十                       | +   | +        | Н               |       | 126        | $\vdash$ | $\vdash$        | $\dashv$    | $\neg$   | _        | $\dashv$ | 一                 | $\dashv$ | ᅥ        |
|              | 27        |  |          |                 | $\dashv$ | $\dashv$ | _        | 十        | _        | _         |      |  | 77       | -                | H            | 寸  | -+  | $\top$                  | $\top$  | П        | H               |       | 127        | H        | H               |             |          | $\dashv$ |          | $\dashv$          | $\neg$   | ᅥ        |
|              | 28        |  |          | H               | _        | 寸        | _        | $\dashv$ | _        | $\dashv$  |      |  | 78       | <del> </del>     |              | $\neg$   | $\dashv$  | $\top$                  | $\top$  | П        | Н               |       | 128        | T        | 1               | $\neg$      | ᄀ        | 一        | $\neg$   |                   | $\neg$   | コ        |
|              | 29        |  |          | H               | 1        | 十        |          | _        |          | _         |      |  | 79       | $\vdash$         | Н            | 十  | $\top$  | $\top$                  | +   | $\top$   | Н               |       | 129        | _        | $\Box$          | $\dashv$    |          | 一        |          | 寸                 | ヿ        | $\dashv$ |
|              | 30        |  | H        | Н               | 十        | 十        | 寸        | _        | $\dashv$ | ヿ         |      |  | 80       |                  |              | 寸  | 十   | $\top$                  | 1   | † 1      | П               |       | 130        | 一        | $\sqcap$        |             |          |          |          | 寸                 | ヿ        | 一        |
|              | 31        | <del>                                     </del> | ┪        |                 | 1        | T        |          | $\neg$   | 寸        | ┪         |      |  | 81       | $\vdash$         | H            | 寸  | $\neg$  | $\top$                  | $\top$  | 1        | П               |       | 131        | $\vdash$ |                 | $\neg$      |          | $\neg$   |          |                   | ヿ        | 一        |
| <b>—</b>     | 32        | 一  | T        | $\Box$          | 7        | $\dashv$ | $\dashv$ | $\dashv$ | 十        | $\dashv$  |      | <del>                                     </del> | 82       | 1                | $\Box$       | 一  | $\dashv$  | $\top$                  | _   | 1        | П               |       | 132        |          | П               |             |          |          |          | $\neg$            | 寸        | $\dashv$ |
|              | 33        | T  | Т        | $\Box$          | 十        | $\dashv$ | $\dashv$ | $\dashv$ | 十        | $\dashv$  |      |  | 83       | Т                | П            | $\dashv$   | $\dashv$  | $\top$                  | 1   | $\top$   | П               | -     | 133        |          | П               | $\neg$      |          |          |          | $\top$            | $\dashv$ | $\dashv$ |
|              | 34        | Т  | Г        | $\Box$          |          | $\top$   |          | 7        | T        | $\dashv$  |      |  | 84       | T                | П            | $\neg$   | 十   | $\top$                  |   | $\top$   | П               |       | 134        |          | П               |             |          |          |          | $\neg$            | $\neg$   | $\neg$   |
|              | 35        | Π  | I        |                 | 寸        | $\dashv$ | 1        | 一        | 一        | $\exists$ |      |  | 85       | $\vdash$         |              | 寸  | $\neg$  | $\dashv$                | 7   |          | П               |       | 135        |          | П               | 一           |          |          |          | $\top$            | $\neg$   | $\neg$   |
|              | 36        |  | Г        | П               | 7        | $\dashv$ | $\dashv$ | 一        | $\dashv$ | ᅥ         |      |  | 86       | Π                | П            | 寸  | 寸   | T                       | 1   |          | П               |       | 136        |          | П               |             |          |          |          | T                 | $\neg$   | $\neg$   |
|              | 37        | Γ  |          |                 |          | _        | $\dashv$ | $\neg$   | $\neg$   | ᅦ         |      |  | 87       |                  |              | $\neg$   | $\Box$  | ▔                       | $\top$  |          |                 |       | 137        |          | ⊟               |             |          |          |          |                   |          |          |
|              | 38        |  |          |                 |          |          |          |          |          |           |      |  | 88       |                  |              |  |   |                         | Ι   |          |                 |       | 138        | $L^-$    |                 |             |          |          |          |                   |          |          |
|              | 39        |  |          |                 |          |          |          |          |          | ╝         |      |  | 89       |                  |              | T  | I   | $\Box \Gamma$           | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   | $\Box$   |                 |       | 139        | $\Box$   |                 |             |          |          |          |                   | ]        |          |
|              | 40        |  |          |                 |          |          |          | ╛        |          |           |      |  | 90       |                  |              |  |   | $oldsymbol{\mathbb{I}}$ | $oldsymbol{ol}}}}}}}}}}}}}}}$ |          |                 |       | 140        | $\Box$   |                 |             |          |          |          | $\Box$            |          |          |
|              | 41        |  |          |                 |          |          |          | $\Box$   |          |           |      |  | 91       |                  |              |  | $\Box$  |                         | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   |          |                 |       | 141        | $L^{T}$  |                 |             |          |          |          |                   |          |          |
|              | 42        |  |          |                 |          |          |          |          |          |           |      |  | 92       |                  |              |  | $\Box$  |                         |   |          |                 |       | 142        |          |                 |             |          |          |          | $\Box$            |          |          |
|              | 43        |  |          |                 |          |          |          |          |          |           |      |  | 93       |                  |              | $\Box$   | $oxed{oxed}$                                      |                         | $\perp$   |          |                 |       | 143        | 匚        | $\square$       |             |          |          |          | $oxed{oxed}$      |          |          |
|              | 44        |  |          |                 |          | $\Box$   |          | $\Box$   |          |           |      |  | 94       |                  |              |  | $\perp I$   | $\prod$                 |   |          |                 |       | 144        | 匚        | Ш               |             |          |          |          | $\Box$            |          |          |
|              | 45        |  |          |                 |          |          |          |          |          |           |      |  | 95       |                  |              |  | $\Box$  |                         |   |          |                 |       | 145        | 匚        | $\Box$          |             |          |          |          | $\Box$            |          |          |
|              | 46        |  |          |                 | $\Box$   |          |          |          |          |           |      |  | 96       |                  |              |  | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |                         | $\perp$   |          |                 |       | 146        |          |                 |             |          |          |          | $\Box$            |          |          |
|              | 47        |  |          |                 |          |          |          |          |          | ╝         |      |  | 97       |                  |              |  | $\Box$  | $oxed{oxed}$            |   |          |                 |       | 147        |          | Ш               |             |          |          |          | $oldsymbol{\bot}$ |          |          |
|              | 48        |  |          |                 |          | $\Box$   |          |          | $\Box$   | ╝         |      |  | 98       | $\Box$           |              |  |   |                         |   |          | $\Box$          |       | 148        | _        | Ш               |             |          |          |          | $\perp$           |          |          |
|              | 49        |  |          |                 |          | $\Box$   |          |          | $\bot$   |           |      |  | 99       |                  |              | $\Box$   |   |                         | L   |          |                 |       | 149        | <u> </u> | Ш               | ᆚ           |          | _        |          | $\perp$           |          | Щ        |
|              | 50        |  | <u> </u> | Ш               |          |          |          |          |          |           |      |  | 100      |                  | $oxed{oxed}$ | $oldsymbol{ol}}}}}}}}}}}}}}}}}}$ | $\perp$   |                         |   |          | L               | L     | 150        | <u> </u> | Ш               |             |          |          |          | $\Box$            |          |          |